

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F21V11/16 F21V13/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F21V H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 298 09 619 U (HELLA KG HUECK & CO) 30 July 1998 (1998-07-30) page 2, line 4 -page 3, line 14 page 4, line 17 -page 5, line 18; figures 1-4	1, 3
A	---	2, 4, 5
Y	US 4 344 119 A (BERGOT THIERRY) 10 August 1982 (1982-08-10) page 3, line 21 -page 4, line 16; figure 3	1, 3
A	---	1
A	DE 33 41 025 A (BOSCH GMBH ROBERT) 30 May 1985 (1985-05-30) page 4, line 5 -page 6, line 7; figure 1	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

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- * & * document member of the same patent family

Date of the actual completion of the international search

1 July 2003

Date of mailing of the international search report

22/07/2003

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INTERNATIONAL SEARCH REPORT

Int. Application No
PCT/IB 03/01497

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
DE 29809619	U	30-07-1998	DE	29809619 U1	30-07-1998
US 4344119	A	10-08-1982	FR	2461889 A1	06-02-1981
			CA	1141728 A1	22-02-1983
			DE	3027346 A1	22-01-1981
			GB	2054123 A , B	11-02-1981
			JP	56018302 A	21-02-1981
DE 3341025	A	30-05-1985	DE	3341025 A1	30-05-1985